

What is claimed is:

- 1 1. An electronic dart game comprising
- 2 a dart;
- 3 a dartboard, provided with
- 4 a frame, formed a plurality of scoring areas by a plurality of radial
- 5 spiders and circumferential spiders which are arranged crossly;
- 6 a main body for being shot by said dart, attached with said frame;
- 7 and
- 8 an electronic scoring means for displaying signals collected from said scoring
- 9 areas, wherein said dart game comprises
- 10 a plurality of inductance coils with predetermined turns, provided with said
- 11 frame and connected to said electronic scoring means through cables; and
- 12 said dart is magnetic substance.
- 1 2. An electronic dart game according to claim 1, wherein said a plurality of
- 2 inductance coils are provided with predetermined shape to be engaged with said
- 3 scoring areas.
- 1 3. An electronic dart game according to claim 2, wherein cross-section of
- 2 each turn of said inductance coil matches and is smaller than that of said scoring
- 3 areas.
- 1 4. An electronic dart game according to claim 3, wherein said frame provided
- 2 with said inductance coil is arranged in front of said main body.
- 1 5. An electronic dart game according to claim 3, wherein said frame provided

2 with said inductance coil is arranged in back of said main body.

1 6. An electronic dart game according to claim 3, wherein said frame provided
2 with said inductance coil is arranged in said main body.

1 7. An electronic dart game according to claim 3, wherein a plurality of said
2 coils corresponded to different scoring areas representing the same score, are wired
3 together before being connected to said electronic scoring means.

1 8. An electronic dart game according to claim 1, wherein a point of said dart
2 is magnetic substance.

1 9. An electronic dart game according to claim 8, wherein a slender shaft of
2 said dart is magnetic substance.

1 10. An electronic dart game according to claim 9, wherein said point and
2 slender shaft of said dart are integrated and magnetized simultaneously.

1 11. An electronic dart game according to claim 1, wherein said main body of
2 said dartboard is made of bristle, natural fiber, synthetic fiber, plastic or the
3 combination thereof.

1 12. A method of automatic scoring for an electronic dart game as claim 1,
2 comprising the step of:

3 dividing a dartboard into a plurality of areas by utilizing a frame and
4 establishing a score for said each areas;

5 attaching a main body for being shot by a dart to said frame;

6 providing a plurality of inductance coils in predetermined shape engaged with
7 said areas on said frame and connecting said coils to a scoring means of said dart

8 game;
9 magnetizing a point and slender shaft of said dart for changing distribution of
10 magnetic field of said inductance coil at the moment of said main body of said
11 dartboard being shot by said dart.

1 13. A method according to claim 12, comprising the step of: providing cross
2 section of said each turn of said inductance coil to be smaller than that of said related
3 areas; wiring said coils representing the same score all together before being
4 connected to a electronic scoring unit.
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